



McCOY & McCOY  
LABORATORIES, Inc.

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"Providing Tomorrow's Analytical Capabilities Today"

## Certificate of Analysis 5092780

Mark Peacock  
Duke Energy - Edwardsport IGCC  
15424 State Road 358  
Edwardsport IN, 47528

Customer ID: DU2303  
Report Printed: 10/01/2015 13:08

Project Name: Grey Water Process Control

Workorder: 5092780

Dear Mark Peacock

Enclosed are the analytical results for samples received at one of our laboratories on 09/25/2015 13:50.

McCoy & McCoy Laboratories, Inc. and Environmental Certification Labs are commercial laboratories accredited by various state and national authorities, including Indiana, Kentucky, Tennessee, and Virginia's National Environmental Laboratory Accreditation Program (NELAP). With the NELAP accreditation, applicable test results are certified to meet the requirements of the National Environmental Laboratory Accreditation Program.

If you have any questions concerning this report please contact the individual listed below.

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#460210  
Madisonville

*This page is included as part of the Analytical Report and must be retained as a permanent record thereof.*

Syd Tate, Data Reviewer



### SAMPLE SUMMARY

Lab ID	Client Sample ID/Alias	Matrix	Date Collected	Date Received	Sampled By
5092780-01	Filtered Water/20150922-031	Wastewater	09/22/2015 08:40	09/25/2015 13:50	Diana Reedy
5092780-02	Greywater Influent/20150922-033	Wastewater	09/22/2015 08:45	09/25/2015 13:50	Diana Reedy
5092780-03	Greywater In Process/20150922-032	Wastewater	09/22/2015 08:50	09/25/2015 13:50	Diana Reedy

### ANALYTICAL RESULTS

Lab Sample ID: **5092780-01**

Description: **Filtered Water 20150922-031**

Sample Collection Date Time: 09/22/2015 08:40

Sample Received Date Time: 09/25/2015 13:50

#### Conventional Chemistry Analyses Farmersburg

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Total Dissolved Solids	324		mg/L	10.0	10.0	2540 C-1997	09/28/2015 13:10	09/29/2015 14:40	dsb

### ANALYTICAL RESULTS

Lab Sample ID: **5092780-02**

Description: **Greywater Influent 20150922-033**

Sample Collection Date Time: 09/22/2015 08:45

Sample Received Date Time: 09/25/2015 13:50

#### Conventional Chemistry Analyses Farmersburg

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Total Dissolved Solids	2200		mg/L	10.0	10.0	2540 C-1997	09/28/2015 13:10	09/29/2015 14:40	dsb

### ANALYTICAL RESULTS

Lab Sample ID: **5092780-03**

Description: **Greywater In Process 20150922-032**

Sample Collection Date Time: 09/22/2015 08:50

Sample Received Date Time: 09/25/2015 13:50

#### Conventional Chemistry Analyses Farmersburg

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Total Dissolved Solids	10.0		mg/L	10.0	10.0	2540 C-1997	09/28/2015 13:10	09/29/2015 14:40	dsb



**Notes for work order 5092780**

- Samples collected by MMLI personnel are done so in accordance with procedures set forth in MMLI field services SOPs.
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identification based on the presumptive evidence of the mass spectra.

**Standard Qualifiers/Acronyms**

MDL	Method Detection Limit
MRL	Minimum Reporting Limit
ND	Not Detected
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
% Rec	Percent Recovery
RPD	Relative Percent Difference
>	Greater than
<	Less than

**Sample Acceptance Checklist for Work Order 5092780**

Shipped By: MMLI

Temperature: 4.00° Celcius

**Condition**

Custody seals present/intact?	<input type="checkbox"/>
Were any containers received damaged?	<input type="checkbox"/>
COC submitted and complete?	<input checked="" type="checkbox"/>
COC agree with sample labels?	<input checked="" type="checkbox"/>
All containers listed on COC received?	<input checked="" type="checkbox"/>
Were all samples in appropriate containers?	<input checked="" type="checkbox"/>
Did all samples have appropriate volumes?	<input checked="" type="checkbox"/>
Were collection methods recorded on COC?	<input checked="" type="checkbox"/>
Were flow units recorded on COC?	<input type="checkbox"/>
Any headspace issues with volatile samples?	<input type="checkbox"/>
Were all holding times acceptable?	<input checked="" type="checkbox"/>
Were preserved samples within acceptable pH range?	<input type="checkbox"/>
Were preserved samples within acceptable Cl2 range	<input type="checkbox"/>

## Chain of Custody

Scheduled for: **09/29/2015**



Client: **Duke Energy - Edwardsport IGCC**

**Report To:**

Duke Energy - Edwardsport IGCC

**Invoice To:**

Duke Energy - Edwardsport IGCC

Project: **Grey Water Process Control**

Mark Peacock

15424 State Road 358

Edwardsport, IN 47528

Mail Drop WP941

1000 E Main St.

Plainfield, IN 46168

Phone: (812) 735-8583

PWS ID#:

State:

PO#: \_\_\_\_\_

Quote# \_\_\_\_\_

Please Print Legibly

Collected by (Signature): *Diana Reedy*

Compliance Monitoring? Yes ☐ No ☒

\*For composite samples please indicate begin time, end time and temp(oC) at end time below:

Samples Chlorinated? Yes ☐ No ☒

Influent: Start Date \_\_\_\_\_ Start time \_\_\_\_\_ End Date \_\_\_\_\_ End Time \_\_\_\_\_ Temp (oC) \_\_\_\_\_

Effluent: Start Date \_\_\_\_\_ Start time \_\_\_\_\_ End Date \_\_\_\_\_ End Time \_\_\_\_\_ Temp (oC) \_\_\_\_\_

**MMLI USE ONLY \*required information\***

Workorder #	Date	Collection	Bottle and Preservative	Containers	Sample Description	Composite	Sample Analysis Requested
5092780	(mm/dd/yy):	Time (24 hr):					
Sample ID#							
5092780-01 A <i>20150922-031</i>	<i>09-22-15</i>	<i>0840</i>	Plastic 1L Outer Office	1	Filtered Water	<i>(g)</i> c	TDS Fmb
5092780-02 A <i>20150922-033</i>	<i>09-22-15</i>	<i>0845</i>	Plastic 1L Outer Office	1	Greywater Influent	<i>(g)</i> c	TDS Fmb
5092780-03 A <i>20150922-032</i>	<i>09-22-15</i>	<i>0850</i>	Plastic 1L Outer Office	1	Greywater In Process	<i>(g)</i> c	TDS Fmb

Preservation Check Performed by: \_\_\_\_\_

Field data collected by: \_\_\_\_\_ Date (mm/dd/yy) \_\_\_\_\_ Time (24 hr) \_\_\_\_\_

pH \_\_\_\_\_ Cond (umho) \_\_\_\_\_ Res Cl (mg/L) \_\_\_\_\_ Tot Cl (mg/L) \_\_\_\_\_ Free Cl (mg/L) \_\_\_\_\_

Temp (oC) \_\_\_\_\_ or (oF) \_\_\_\_\_ Static Water Level \_\_\_\_\_ DO (mg/L) \_\_\_\_\_ Turb. (NTU) \_\_\_\_\_

Flow (MGD) \_\_\_\_\_ or (CFS) \_\_\_\_\_ or (g/min) \_\_\_\_\_

Relinquished by: (Signature)

Received by: (Signature)

Date (mm/dd/yy)

Time (24 hr)

*Diana Reedy*  
*Michelle Sharp*

*Michelle Sharp*  
*Michelle Sharp*

*9-25-15* *12:15*  
*9-25-15* *13:50*

☒ MMLI - Check here if trip charge applied to associated COC

Printed: 9/18/2015 2:58:08PM

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